

LEE 001

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M E M O R A N D U M

TO: File

FROM: Bruce K. Lane *BKL*

SUBJECT: Gas complaint near Lee's Lane Landfill

DATE: May 7, 1979

On May 4, 1979, at approximately 11:00 A.M., Mr. Fred Lutz of the Louisville Gas and Electric Company telephoned Mr. Tom Coomes of this Department to advise of a possible gas migration problem in the area of the Lee's Lane Landfill. Mr. Lutz stated that they had detected a 60% concentration of explosive gas from an abandoned water well at 6709 Lucerne on May 4. This location is in the direct east-west line of four gas monitoring wells installed by the Health Department in 1975 and one block east of well number 4. No gas was ever monitored at well number 4 and Louisville Gas and Electric Company did not detect any on May 4, 1979.

Bruce Lane telephoned Wendell Wright and Ed Robinson of the Jefferson County Works Department to advise of the situation. Lane and Coomes, with gas monitoring equipment, met Wright and Robinson at the Lucerne site at 12:00 Noon on May 4. Mr. Lutz and an assistant from the Louisville Gas and Electric Company were also there. Lutz advised that the house at 6708 Lucerne, directly across the street from 6709, had a confirmed gas leak in the Louisville Gas and Electric Company gas service line. He also advised that a gas leak was investigated at 6703 Lucerne, three doors north of 6709 Lucerne. Preliminary investigation at that address could not substantiate a gas service line leak. By probing in the area of the gas line, however, a 60% gas reading was detected at a 24 inch depth. Louisville Gas and Electric Company will further investigate that situation. Mr. Lutz also collected a sample of gas from the abandoned water well at 6709 Lucerne for gas chromatograph analysis. The Louisville Gas and Electric Company gas chromatograph was out of working order Friday, May 4, and the sample was not analyzed. When the instrument is repaired and the sample analyzed, this may give some indication of the source of gas.

Lane and Coomes further monitored for gas in shallow (5 foot) Series II, Type C gas wells labeled on an office map as 11-13 and 11-10 installed by SCS Engineers. No gas found. An attempt to monitor 11-4 at Lucerne and Larchmont failed because the screw cap on the casing could not be removed due to soft, muddy, soil conditions. Negative gas meter readings were also obtained in crawl spaces under the houses at 6703, 6707, and 6709 Lucerne.

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The Health Department's deep gas well labeled W-3 was monitored. Positive pressure was observed. No gas detected. SCS Engineers' well labeled 111-B located 33 feet south of W-3 was also monitored. Probes at approximately 10', 20' and 40' all detected gas at 100% LEL.

The County Judge's office was notified of this situation by Mr. Wright. Lane notified San Antonio by telephone on May 2, 1974 at 9:15 A.M.